

an axial ventilator blowing the air out parallel with the axle of the drum, the axis of rotation of said flow of exhaust air being arranged spaced from the axle of the drum.

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77. The regenerative counterflow heat exchanger of claim 76, wherein at least one ventilator produces a flow of feed air and at least one ventilator produces a flow of exhaust air.

78. The regenerative counterflow heat exchanger of claim 76, wherein the heat exchanger drum substantially forms an outer fixed limitation of the device.

79. The regenerative counterflow heat exchanger of claim 76, wherein the flow of air provided with a twist is directly formed by the exhaust flow of the axial ventilator.

80. The regenerative counterflow heat exchanger of claim 76, wherein the axial ventilator comprises a feed air ventilator.

81. The regenerative counterflow heat exchanger of claim 77, wherein the ventilators are at least partly arranged within an inner drum space of the heat exchanger drum.